

## Recombinant Human AKR1C2 Protein

**Catalog Number:** PKSH032054

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

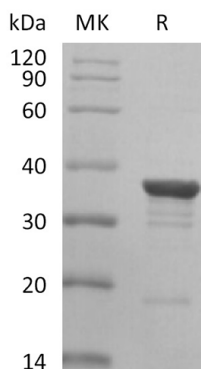
### Description

<b>Species</b>	Human
<b>Source</b>	E.coli-derived Human AKR1C2 protein Met 1-Tyr323
<b>Calculated MW</b>	36.7 kDa
<b>Observed MW</b>	35 kDa
<b>Accession</b>	P52895
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 90 % as determined by reducing SDS-PAGE.
<b>Concentration</b>	Subject to label value.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 100mM NaCl, 1mM DTT, pH 8.0.

### Data



> 90 % as determined by reducing SDS-PAGE.

### Background

Aldo-Keto Reductase Family 1 Member C2 (AKR1C2) plays a role in concert with the 5- $\alpha$ /5- $\beta$ -Steroid Reductases to convert Steroid hormones into the 3- $\alpha$ /5- $\alpha$  and 3- $\alpha$ /5- $\beta$ -Tetrahydrosteroids. AKR1C2 catalyzes the inactivation of the most potent androgen 5- $\alpha$ -Dihydrotestosterone (5- $\alpha$ -DHT) to 5- $\alpha$ -Androstane-3- $\alpha$ , 17- $\beta$ -diol (3- $\alpha$ -diol).

### For Research Use Only

Toll-free: 1-888-852-8623  
Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086  
Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017